7. Keerthi

Program Name: Keerthi.java   **Test Input File: keerthi.dat**

Keerthi has discovered a treasure map! However, in the treasure map some of the land mass runs off the edge which means it is part of the continental land mass and not a part of any island. She knows the treasure is on an island, but she needs help identifying how many islands there are, so she knows how many places to look.

By definition, an island is surrounded by water, so if land runs off the edge of the map, then it is not an island. All of Keerthi's maps are represented by a 10x10 grid of characters. Water is represented by '.' and land by '#'. Given this map, count the number of islands.

Input: An initial value N, followed by N data sets. Each data set is a 10x10 grid of '.' for water and '#' for land. Each data set will be followed by a line containing a single '-'.

Output: The number of islands on the treasure map.

Sample Input:
```
3
.......###
..#......#
..........
....###...
..#######.
...#####..
......#....
.....#..##
.##.....##
........##
-
.......###
.....#####
......####
....###...
..#######.
...#####..
.....#....
.....#####
.##.....##
.##.....##
-
.....#....
..#......#
......####
.##.......
......##..
...#####..
.#...###..
.....#....
.#####....
..........
-
```

Sample Output:
```
3
0
4
```